

Grantee: Alaska Energy Authority
Project Name: Shishmaref Bulk Fuel Upgrade
Grant No.: DC 1417

Grant Completion Report

Background:

Shishmaref bulk fuel facilities were past the end of their useful life and represented a substantial health, safety, and environmental hazard. The Denali Commission and AEA funded the Bulk Fuel Upgrades required.

Activities:

AEA contracted with STG Inc. for the site work and installation of (5) 29,000-gallon nominal capacity, horizontal, single wall, above ground storage tanks and (1) 5,000-gallon nominal capacity, horizontal dual product dispensing tank, along with dual product header and fill pipelines and retail and fleet dispensers. Existing pipelines and tanks were decommissioned. In addition, upgrade work was completed at the water treatment plant.

Project Costs:

- The amounts of grant funding came from two funding sources: State of Alaska - \$482,222; and Denali Commission - \$2,517,778. Final reported expenditures are as follows:

Denali Commission:	\$ 2,468,213.23
State of Alaska:	\$ <u>471,727.39</u>
Total:	\$ <u>2,939,940.62</u>

Project Outcomes:

The Shishmaref Bulk Fuel Upgrade project was completed per the grant requirements.

Problems Encountered:

Existing contamination was discovered and subsequently removed, as part of the contract with STG, Inc.

Conclusions and Recommendations:

The project was completed with few problems and minor change orders, due largely to the good working relationship with the contractor's project manager. AEA recommends continued training for the operators to minimize problems caused by maintenance in the harsh environmental conditions experienced in Shishmaref, Alaska.